

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 07:03:33 1994
From: joe.roberts@tpoint.com
Message-Id: <9410281921.0R6PF03@tpoint.com>
Date: Fri, 28 Oct 94 19:21:07 -0500 Central
Subject: 75A4 HUM

Has anyone out there in boatanchor land any hot tips
on curing the endemic 60 Hz hum in a 75A4.

My suspicion is that the location of the 12AT7
voltage amp tube, i.e. surrounded by AC wiring,
might have something to do with it.

I hear that Collins issued a service bulletin that
dealt with this question. Anybody ever seen it?

Any advice appreciated.

Joe N4WQC
sp@tpoint.com

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 07:59:29 1994
From: HAK1%IC%DCPP@bangate.pge.com
Date: Sat, 29 Oct 94 4:08:15 PDT
Message-Id: <hn49+ToWgia@pgegate.comp.pge.com>
Subject: re:75A4 HUM

Joe,

What is the serial number of your 75A4 ? If it is below 3000 the wiring may
be different than later serial number receivers. There were very distinct
differences between the early and late 75A4's.

Howard AD6Y
hak1@pge.com

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 20:00:01 1994
Date: Sat, 29 Oct 1994 17:58:02 -0500
From: "penson" <penon@geom.umn.edu>
Message-Id: <199410292258.AA18809@cameron.geom.umn.edu>
Subject: Re: Heath Knobs

It is generally accepted that the satin finish knobs were used first and that
at some point Heath went to the chrome finish. Exactly when this transition
took place is not clear to me. I have seen TX-1s with both kinds, and I have
seen HX-10s (made beginning in 62) with both styles. I am assuming that the

change was made in late 62 or early 63, but I have no hard proof of this.

Chuck

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 17:32:40 1994
Date: Sat, 29 Oct 94 10:11:09 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9410292011.AA04758@kahuna.math.hawaii.edu>
Subject: Johnson Left-handed bug wanted

Can someone help this fellow out? // Jeff NH6IL

Article: 16672 of rec.radio.swap
>From: arthurc@crl.com (Arthur Chandler)
Newsgroups: rec.radio.swap
Subject: WTB: left-handed Johnson bug

Anyone out there got a left-handed Johnson bug in fine condition? It's
for a very good friend who has gotten "the bug" again. :<)

Email me price/condition. Thanks!

From owner-boatanchors@gnu.ai.mit.edu Sun Oct 30 00:56:31 1994
From: WaltN@aol.com
Date: Sat, 29 Oct 1994 23:26:50 -0400
Message-Id: <9410292323555574403@aol.com>
Subject: Re: Looking for...

Many blind and sight-impaired folks find the receivers like the Kenwood
R-5000, some ICOMs (I think) and others that have voice synthesizers. Even if
the memory presets are lost, the radio will speak the frequency as it's
tuned, so your friend could find them again.

Good luck,
Walt

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 02:34:19 1994
Date: Fri, 28 Oct 94 19:33:03 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9410290533.AA02067@kahuna.math.hawaii.edu>
Subject: Military anchor

>From rec.radio.swap. // Jeff NH6IL

Article: 16651 of rec.radio.swap

>From: mc@shore.net (Michael Crestohl)

Subject: SELL: T-784/GRC-109 Special Forces "Spy" 3.5-24MHz transmitter

FOR SALE: FOR SALE: FOR SALE: FOR SALE: FOR SALE: FOR SALE: FOR SALE:

SPECIAL FORCES RADIO SET T-784/GRC-109 Transmitter. CIA nomenclature: RS-1 Small 1950s - 60s "Cold War" vintage Special Forces "spy" radio transmitter. Covers 3 - 22 MHz in 4 bands, Crystal controlled Pierce oscillator (6AC7). 10 - 15 Watts (2E26 final!) output and Transmitter Pi-network tunes long-wire antenna from 72 - 1200 Ohms. Has tuning chart, precision tuning controls which tune each of the three stages individually for maximum neon bulb brilliance - was designed to be operated by someone with little previous training. Constructed with highest quality components and mounted in waterproof case suitable for burial or underground storage. Has a built-in precision Morse Code key and a KEYER port for use with the AN/GRA-71 keyer (not readily available) which used to send high-speed bursts of Morse Code at speeds up to 300 WPM! Completely refurbished by US Army Depot and are like new. Military tag says it was made by Admiral Corp. This beauty is a real collector piece and fully usable by anyone with an Amateur Radio license!

This kind of radio equipment is generally very difficult to find and usually pieces are very expensive especially in serviceable condition. Several hundred of these sets were released by the government. A dealer from Toronto sells the complete sets for \$350.00. There was a full write-up on the AN/GRC-109 radio set in ELECTRIC RADIO Number 54, October 1993. Fair Radio Sales has them too, but they're as-is and not clean and tested as mine is. The set is described (as the RADIO STATION; RS-1) in CIA SPECIAL WEAPONS & EQUIPMENT - Spy Devices of the Cold War by H. Keith Melton.

When I'm not playing radio on 40CW with them, I use my GRC-109 Transmitter and matching Receiver for bookends in my office! They never fail to provoke questions from visitors.

Will sell the T-784/GRC-109 for \$65.00 plus actual UPS shipping costs. Send e-mail for more information.

NOTE: The R-1004/GRC-190 receiver and the PP-2685/GRC-109 power supply are occasionally available along with documentation.

73 de KH6KD/W1
Michael Crestohl
263 Nahant Road

Nahant MA 01908-1342
mc@shore.net

From beacons!listproc@cts.com Sat Oct 29 09:27:17 1994
Date: Sat, 29 Oct 94 00:34 PDT
Message-Id: <Pine.SUN.3.90.941028185242.15482A-1000000@efn.org>
From: M G Laubach <matt@efn.org>
Subject: Re: military equip list

Too bad you're not taking military test equipment, because I would like to list a couple of classic beauty boatanchor frequency meters:

FR-6/u & FR-5/au

The FR-6/U is a 100-500 MHz frequency meter that uses a 4MHz oscillator in a crystal oven. It has a course setting that allows you to get a rough estimate of your unknown frequency by zerobeating to it. Then you can use the fine setting to get the exact frequency, which is calculated by reading a bunch of numbers off of the tape roll, and looking them up in the supplied chart. It weighs about 75 lbs and is very innacurate; but it has a lot of neat tubes and parts in it. You also don't want to put the headset over your ears as you zero beat it, because it's way too loud.

The FR-5/au is the 10-100MHz version of the same thing. Got them free after a hamfest, so the price was right.

matt
n0gth

From owner-boatanchors@gnu.ai.mit.edu Sun Oct 30 01:23:45 1994
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Re: Need Heathkit part(s)...
Date: Sat, 29 Oct 1994 23:31:59 -0500 (CDT)
Message-Id: <9410292332.aa04926@jackatak.theporch.com>

[long extra un-edited message deleted]

...

[...short response also deleted...]

I am just so damned happy to see mail from the list, I am not going to make my normal curmudgeonly appeal to all "boat people" to refrain from excess quoting... at least, not in full... ;^)

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)

firebotl@jackatak.raider.net

Where Old Radios and Fun ... GO TOGETHER!

+-----human interface: root@jackatak.raider.net -----+

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 10:00:20 1994

From: JosephWP@aol.com

Date: Sat, 29 Oct 1994 09:06:52 -0400

Message-Id: <9410290906515211569@aol.com>

Subject: Stuff for Sale

Though you all might be interested in the following taken off of the
Compuserve Ham forum:

Selling from my private collection: SX-88 Receiver, 75A-4 Receiver (S/N
5387), 75A-4 Receiver KWS-1 Transmitter combination, Johnson Viking II
Transmitter & 122 VFO, National NC-46 Receiver, Drake WV-4 VHF Wattmeter,
Cushcraft A-4S full size Tri-Band Beam Antenna, 40 Meter Add-on Kit for A-4S,
U.S. Tower TMM-541SS Compact Crank Up Tower, Ham-M Rotor.

Information on all via #10 SASE to:

Michael J. Scanlan, WAOEPW/6

13428 Maxella Ave., #347

Marina del Rey, CA 90292

Joseph Pinner +
Lafayette, LA
KC5IJD

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 17:45:32 1994

Date: Sat, 29 Oct 94 10:05:45 HST

From: jeffrey@math.hawaii.edu (Jeffrey Herman)

Message-Id: <9410292005.AA04689@kahuna.math.hawaii.edu>

Subject: Swan 350c

>From r.r.swap. // Jeff NH6IL

Article: 16667 of rec.radio.swap

Subject: SWAN 350c for parts

Swan 350c for parts

A friend tried to fix this up and it wasn't as easy to fix as he thought, so he's selling it. Several new tubes were put in during the attempt. RX works well, but TX is very low. The driver is new, but the final is suspect. Power supply has already been sold. Asking \$50 obo.

Call Bob at (319) 291-6942.

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 06:44:10 1994
Date: Fri, 28 Oct 94 20:42:08 EST
Message-Id: <9410290142.AA00ci5@douglee.douglee.gts.org>
From: douglee@douglee.douglee.gts.org (Doug Lee)
Subject: Tesla

:Message-Id: <2537@ki5sl.ampr.org>
:Reply-To: ki5sl@sat.n5lyt.ampr.org
:Lines: 31
:X-Organization: private site, Amateur Radio Station KI5SL
:X-Mailer: PCElm 3.21
:From: ki5sl@ki5sl.ampr.org (Rick_Blank)
:To: boatanchors@gnu.ai.mit.edu
:Subject: Ee: Tesla
:
:Boy, what a can of worms I opened by posting the info of a Tesla
:occurrence!

<stuff deleted>

:Oh well, it's still a lot of fun....

Thanks for posting this. The followups are immensely enjoyable. :-)

Does anyone know of a Tesla mailing list or newsgroup?

From beacons!listproc@cts.com Sat Oct 29 12:27:37 1994
Date: Sat, 29 Oct 94 06:58 PDT
Message-Id: <9410290142.AA00ci5@douglee.douglee.gts.org>
From: douglee@douglee.douglee.gts.org (Doug Lee)
Subject: Tesla

:Message-Id: <2537@ki5sl.ampr.org>

:Reply-To: ki5sl@sat.n5lyt.ampr.org
:Lines: 31
:X-Organization: private site,Amateur Radio Station KI5SL
:X-Mailer: PCElm 3.21
:From: ki5sl@ki5sl.ampr.org (Rick_Blank)
:To: boatanchors@gnu.ai.mit.edu
:Subject: Ee: Tesla
:
:Boy, what a can of worms I opened by posting the info of a Tesla
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<stuff deleted>

:Oh well, it's still a lot of fun....

Thanks for posting this. The followups are immensely enjoyable. :-)

Does anyone know of a Tesla mailing list or newsgroup?

From owner-boatanchors@gnu.ai.mit.edu Sat Oct 29 10:38:22 1994
From: Fire Bottle archive handler <firebotl@jackatak.raider.net>
Subject: The list..
Date: Sat, 29 Oct 1994 7:46:04 -0500 (CDT)
Message-Id: <9410290746.aa10739@jackatak.raider.net>

Dan-

> I hope I don't waste too much "bandwidth" with this.....
Under "normal" conditions (whatever they might be) you might catch a terse comment or grumble, but the list has had some problems that are being investigated and worked on. *THIS* time, you are actually helping with the reconstruction... (Please, gang, don't everyone "ping" the list... send a post that has boatanchor relevance if you have something that needs posting, and keep a copy around so it can be reposted if it gets swallowed in transit...)

> Is "boatanchors" alive and well??
Alive? Yes. Well? well..... not exactly.... ;^) But, we are working on it...

> I have not received any messages in a while.
No one has, as best we can determine. Please do NOT attempt to solve this problem. There is a group working on solutions and we will keep

you posted...

> I guess this is a "test" to see if the thing still works!!
GE OM UR 599 TN ;^)
73,
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)
firebotl@jackatak.raider.net
Where Old Radios and Fun ... GO TOGETHER!
+-----human interface: root@jackatak.raider.net -----+

From owner-boatanchors@gnu.ai.mit.edu Sun Oct 30 02:00:18 1994
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Re: The list..
Date: Sat, 29 Oct 1994 23:40:32 -0500 (CDT)
Message-Id: <9410292340.aa05370@jackatak.theporch.com>

Rick-

> it will never hold the spot in my heart that it did when
> swapping started at 5:00 AM under flashlights and folks came from
> all over the state and camped out the night before in RV's and
> vans and brought all the good, old junque we BA'ists
> love...
Ah, but it's the 'Murican Way to keep you in line and to prevent
anything "unfair" from happening...

> ...another good thing run into the ground...
I recall a Garrison Keeler line from the "Prairie Home Companion" one
evening when he was lamenting the fate of a theatre: "Please don't let
the Methodists get involved. They'll turn it into something
wholesome... and ruin it for everyone!"

73,
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

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From beacons!listproc@cts.com Sat Oct 29 02:56:57 1994
Date: Fri, 28 Oct 94 17:25 PDT
Message-Id: <79185.morgan@speckle.ncsl.nist.gov>
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: WANTED: Viking and Valiant Audio Mods.

Anchorites,

The recent post by Chris, KA8WFC, prompted me to call for ALL AVAILABLE Viking and Viking Valiant audio mods.

I'll collect them and copy the set for anyone who wants it.

My Valiant is stock, but I hear of "harshness" and "60's AM sound" that might be improved. Chris and others have wanted to upgrade their Viking and Viking II's.

WANTED: Hearsay, tales, completed mods, published articles (all QST's are available here), ER articles, and all else on the topic.

So, e-mail to me or just send to:

Roy Morgan
7130 Panorama Drive
Derwood MD 20855

(301) 330-8828 home
(301) 975-3254 work

Free copy of the whole collection to anyone who sends me stuff!

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From owner-boatanchors@gnu.ai.mit.edu Sun Oct 30 03:29:21 1994
From: haynes@cats.ucsc.edu (Jim Haynes)
Date: Sat, 29 Oct 1994 23:51:26 -0700
Message-Id: <199410300651.XAA26356@hobbes.UCSC.EDU>
Subject: We wuz talking about Babbage and drilling through glass

and I found the book, "Passages from the Life of a Philosopher" where he says

"One of the most useful accomplishments for a philosophical traveller with which I am acquainted, I learned from a workman, who taught me how to punch a hole in a sheet of glass without making a crack in it.

"The process is very simple. Two centre-punches, a hammer, an ordinary bench-vice, and an old file are all the tools required. These may be found

in any blacksmith's shop. Having decided upon the part of the glass in which you wish to make the hole, scratch a cross (X) upon the desired spot with the point of the old file; then turn the bit of glass over, and scratch on the other side a similar mark exactly opposite to the former.

"Fix one of the small centre-punches with its point upwards in the vice. Let an assistant gently hold the bit of glass with its scratched point exactly resting upon the point of the centre-punch.

"Take the other centre-punch in your own left hand and place its point in the centre of the upper scratch, which is of course nearly, if not exactly, above the fixed centre-punch. Now hit the upper centre-punch a very slight blow with the hammer: a mere touch is almost sufficient. This must be carefully repeated two or three times. The result of these blows will be to cause the centre of the cross to be, as it were, gently pounded.

"Turn the glass over and let the slight cavity thus formed rest upon the fixed centre-punch. Repeat the light blows upon this side of the glass, and after turning it two or three times, a very small hole will be made through the glass. It not unfrequently happens that a small crack occurs in the glass; but with a little skill this can be cut out with the pane of the hammer.

"The next process is to enlarge the hole and cut it into the required shape with the pane of the hammer. This is accomplished by supporting the glass upon the point of the fixed centre-punch, very close to the edge required to be cut. A light blow must then be struck with the pane of the hammer upon the edge to be broken. This must be repeated until the required shape is obtained.

"The principles on which it depends are, that glass is a material breaking in every direction with a conchoidal fracture, and that the vibrations which would have caused cracking or fracture are checked by the support of the fixed centre-punch in close contiguity with the part to be broken off.

"When by hastily performing this operation I have caused the glass to crack, I have frequently, by using more care, cut an opening all round the cracked part, and so let it drop out without spreading.

"This process is rendered still more valuable by the use of the diamond. I usually carried in my travels a diamond mounted on a small circle of wood, so that I could easily cut out circles of glass with small holes in the centre. The description of this process is sufficient to explain it to an experienced workman; but if the reader should wish to employ it, his readiest plan would be to ask such a person to show him how to do it."

[goes on to tell about rooming at the house of a glazier, and teaching him the process at the shop of a nearby blacksmith. When it was time for him

to leave he asked for the bill and found it was short of the charge for the two weeks lodging. The host explained he could not think of taking payment from a gentleman who had done him so great a service. The glazier had a contract for taking care of all of the lamps in the town and the art he had learned from Babbage would save him a lot of money. Then on into a story about visiting the university town of Bologna, Italy, meeting a rather snooty instrument maker who assured him that of course he knew how to punch a hole in glass, they do it all the time, and succeeded only in making a lot of broken glass.]

Passages from the Life of a Philosopher, ISBN 0-8135-2066-5 (paperback), co-published by Rutgers University Press and IEEE Press.